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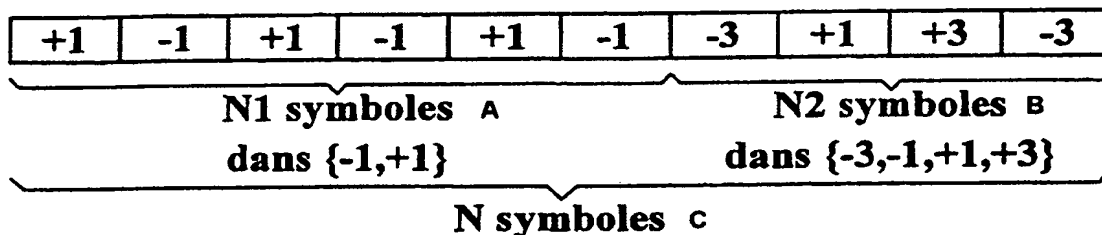
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As printed

(54) Title: TRAINING SEQUENCE FOR LINEARIZING AN RF AMPLIFIER

(54) Titre : SEQUENCE D'APPRENTISSAGE POUR LA LINEARISATION D'UN AMPLIFICATEUR RF



A...N1 SYMBOLS IN {-1,+1}

B...N2 SYMBOLS IN {-3,-1,+1,+3}

C...N SYMBOLS

(57) **Abstract:** Disclosed is a linearization training sequence that is transmitted by means of a radio frequency transmitter which is comprised in a mobile terminal or a base station of a radiocommunication system and transmits bursts according to a specific frame structure. Said sequence comprises a specific number N of symbols which are part of a specific alphabet of symbols, N being a specific whole number. At least one specific number N1 of symbols of the sequence that is transmitted first is part of a sub-alphabet of symbols, which is contained in the alphabet of symbols, N1 being a specific whole number that is smaller than or equal to N. The sub-alphabet of symbols consists of individual or a combination of symbols that provide the burst within which the sequence is transmitted with a narrower spectrum than the alphabet of symbols as a whole.

(57) **Abrégé :** Une séquence d'apprentissage de linéarisation est destinée à être émise au moyen d'un émetteur radiofréquence qui est compris dans un terminal mobile ou une station de base d'un système de radiocommunications, et qui est adapté pour émettre des salves selon une structure de trame déterminée. La séquence comprend un nombre déterminé N de symboles, où N est un nombre entier déterminé, ces symboles appartenant à un alphabet de symboles déterminé. Au moins un nombre déterminé N1 de symboles de la séquence transmis en premier, où N1 est un nombre entier déterminé inférieur ou égal à N, appartiennent à un sous-alphabet de symboles compris dans l'alphabet de symboles. Ce sous-alphabet de symboles est constitué de symboles qui, isolément ou en combinaison, donnent à la salve dans laquelle la séquence est émise un spectre plus étroit que l'alphabet de symboles dans son ensemble.

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